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Appln. No. 10/058,797
Amdt./Response filed November 21, 2005
Reply to Office Action of September 20, 2005

PATENT
Attorney Docket No. 10001024-1
Finnegan Ref. No. 07896.0050-00000

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-2. (canceled)

3. (currently amended): A micro pumping device according to claim 6 ~~[[8]]~~ wherein:
said cartridge comprises at least one component chosen from reservoirs, channels, and valves, wherein said component contains the flow of said biological fluid.

4. (currently amended): A micro pumping device according to claim 5 wherein:
said collapsor comprises ~~at least one bearing chosen from roller bearings and ball bearings.~~

5. (previously presented): A micro pumping device for transporting small volumes of biological fluid comprising:

a collapsor that delivers a compressive force to a deformable material, said collapsor comprising at least one bearing chosen from roller bearings and ball bearings; and

a cartridge adapted to receive at least one biological fluid, said cartridge including:
at least one pliable surface, said pliable surface comprising said deformable material which collapses in response to a compression force delivered from said collapsor; and
a rigid core adjacent to said pliable surface and opposite said collapsor, said rigid surface adapted to aid said collapsor in collapsing said pliable surface;

wherein said collapsor comprises a collapsor surface with protrusions having predetermined spacing, said predetermined spacing creating corresponding concavities in said pliable surface as said collapsor collapses said pliable surface against said rigid